Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
Data File : BG031726.D
Acq On : 23 Dec 2017 00:25
Operator : SJ/JU
Sample : I7004-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PR-MW-1-121817

Quant Time: Dec 23 01:14:27 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.83 | 152 | 51698 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.72 | 136 | 210862 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.46 | 164 | 144607 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.20 | 188 | 357504 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.55 | 240 | 427964 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 26.34 | 264 | 463177 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.25 | 112 | 180771 | 63.69 | ng | | 0.00 |
| 7) Phenol-d6 | 7.92 | 99 | 146938 | 39.87 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.03 | 82 | 299180 | 107.14 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.93 | 330 | 358114 | 162.30 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.09 | 172 | 1076813 | 93.46 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.73 | 244 | 1849685 | 98.74 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 8.34 | 77 | 7563 | 3.408 | ng | | 95 |
| 10) Phenol | 7.94 | 94 | 8041 | 2.161 | ng | # | 5 |
| 18) Hexachloroethane | 9.96 | 117 | 47760 | 37.755 | ng | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 10.03 | 70 | 42036 | 16.703 | ng | # | 71 |
| 20) 3+4-Methylphenols | 9.58 | 107 | 8542 | 2.258 | ng | | 96 |
| 22) Acetophenone | 9.65 | 105 | 118374 | 24.163 | ng | # | 55 |
| 24) Nitrobenzene | 10.05 | 77 | 9402 | 3.267 | ng | # | 26 |
| 27) 2,4-Dimethylphenol | 10.86 | 122 | 7536 | 2.373 | ng | | 96 |
| 31) Naphthalene | 11.77 | 128 | 1030501 | 96.836 | ng | | 98 |
| 32) Benzoic acid | 10.86 | 122 | 7536 | 9.690 | ng | # | 86 |
| 33) 4-Chloroaniline | 11.77 | 127 | 152789 | 32.249 | ng | # | 33 |
| 37) 2-Methylnaphthalene | 13.33 | 142 | 543261 | 62.973 | ng | | 91 |
| 45) 1,1'-Biphenyl | 14.30 | 154 | 58223 | 4.714 | ng | | 93 |
| 50) 2,6-Dinitrotoluene | 14.69 | 165 | 8331 | 3.555 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 15.56 | 184 | 110 | 7.733 | ng | # | 1 |
| 64) 4,6-Dinitro-2-methylphenol | 16.53 | 198 | 60 | 8.334 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 16.93 | 248 | 27672 | 5.353 | ng | # | 1 |

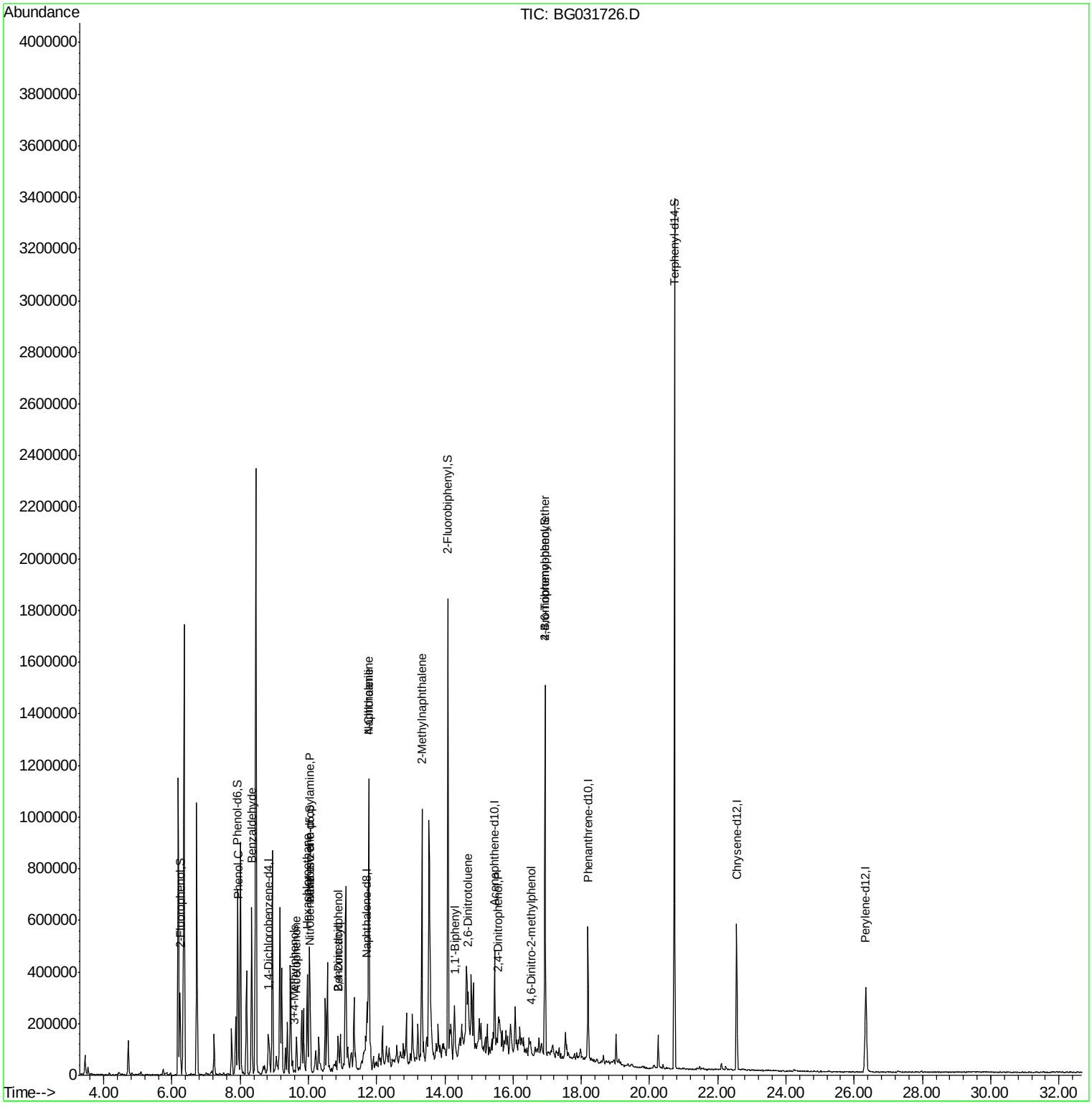
(#) = qualifier out of range (m) = manual integration (+) = signals summed

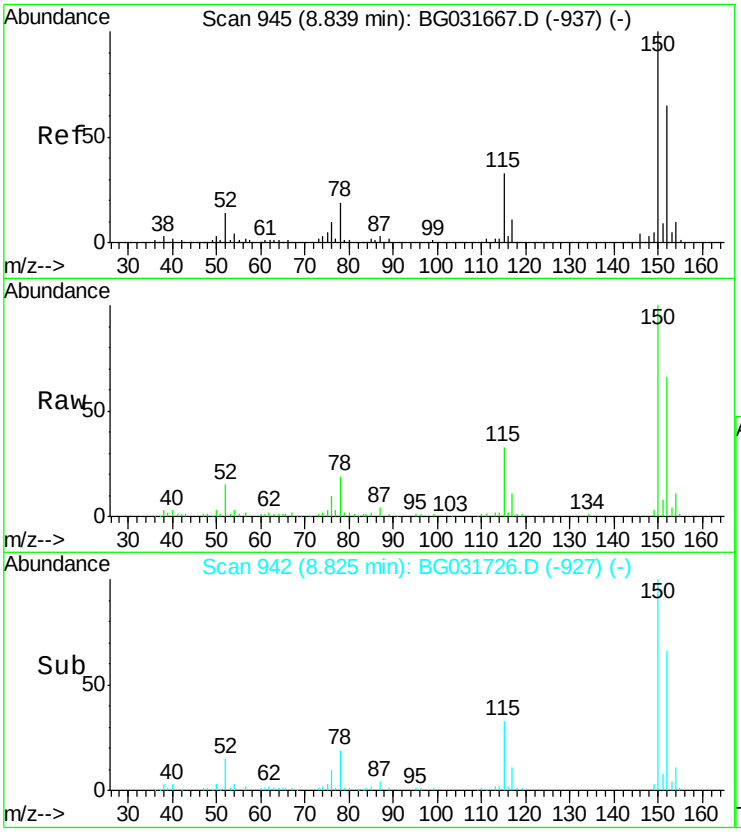
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
Data File : BG031726.D
Acq On : 23 Dec 2017 00:25
Operator : SJ/JU
Sample : I7004-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Quant Time: Dec 23 01:14:27 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration



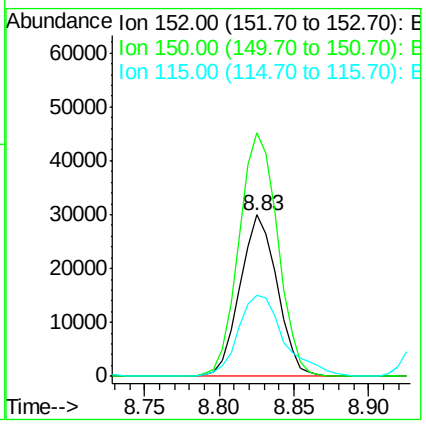


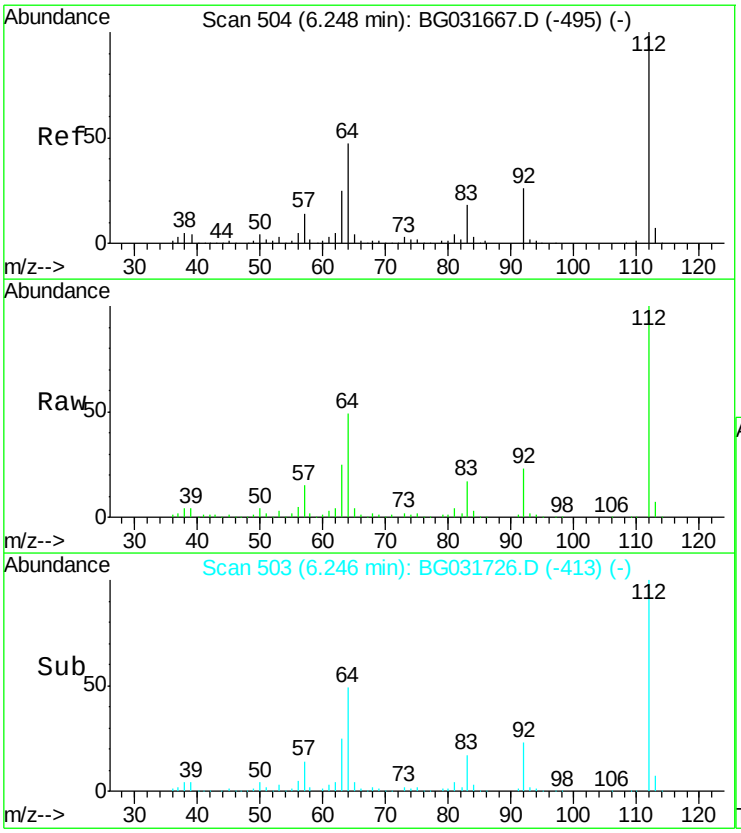

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:152 Resp: 51698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.7 | 126.6 | 189.8 |
| 115 | 50.0 | 53.0 | 79.4# |

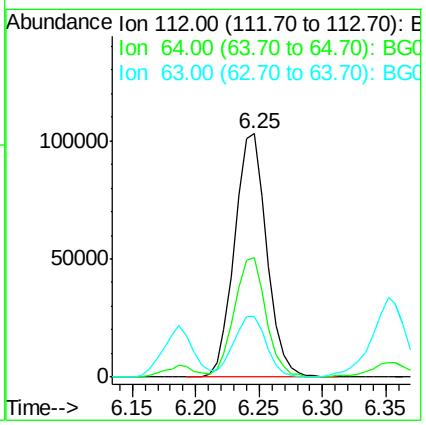


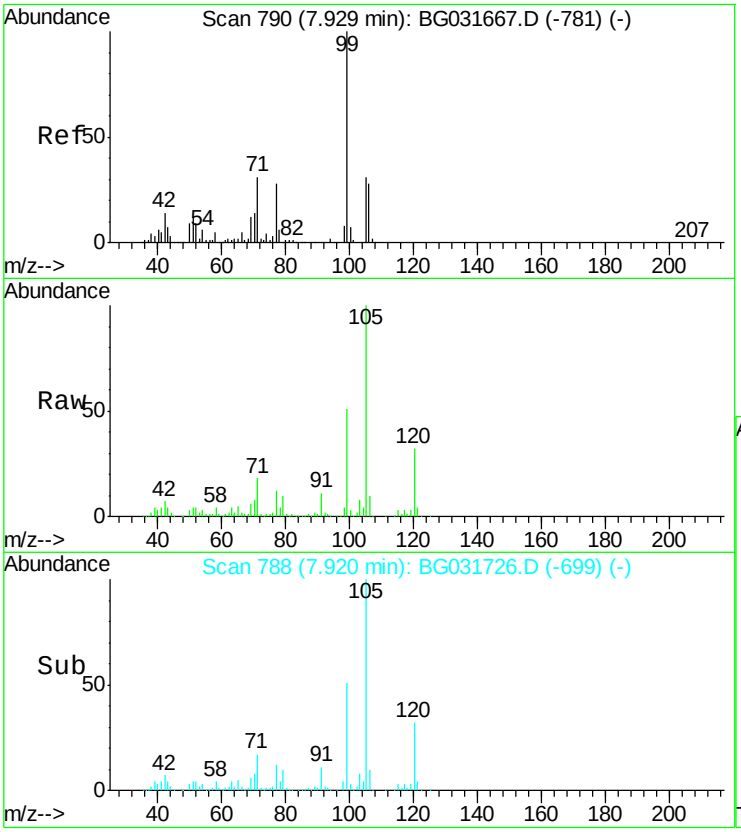




#5
2-Fluorophenol
Concen: 63.688 ng
RT: 6.25 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:112 Resp: 180771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 48.9 | 56.3 | 84.5# |
| 63 | 24.8 | 30.1 | 45.1# |



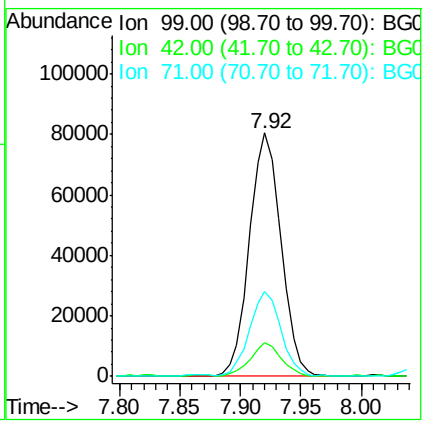


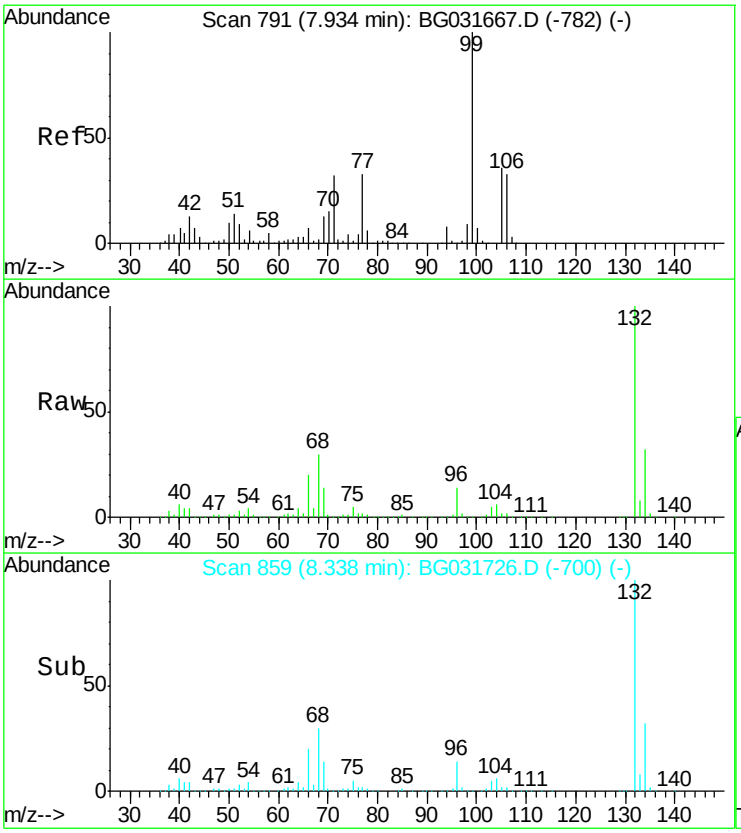

#7
Phenol-d6
Concen: 39.873 ng
RT: 7.92 min Scan# 788
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion: 99 Resp: 146938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.1 | 14.1 | 21.1# |
| 71 | 34.6 | 26.1 | 39.1 |

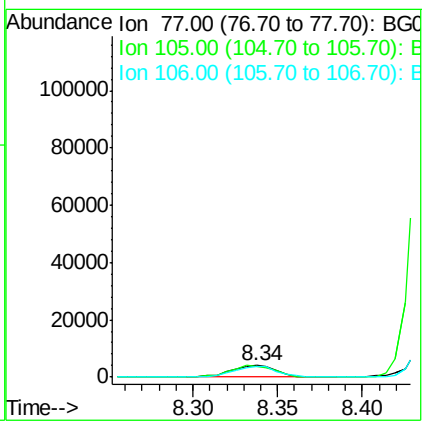


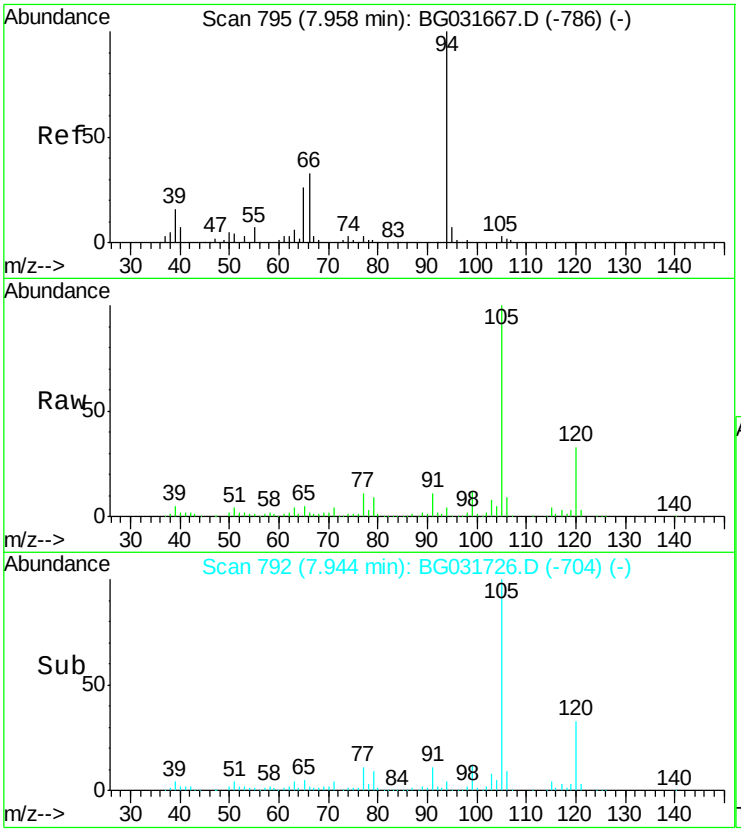




#9
Benzaldehyde
Concen: 3.408 ng
RT: 8.34 min Scan# 859
Delta R.T. 0.40 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion: 77 Resp: 7563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 89.8 | 71.3 | 111.3 |
| 106 | 92.4 | 64.2 | 104.2 |



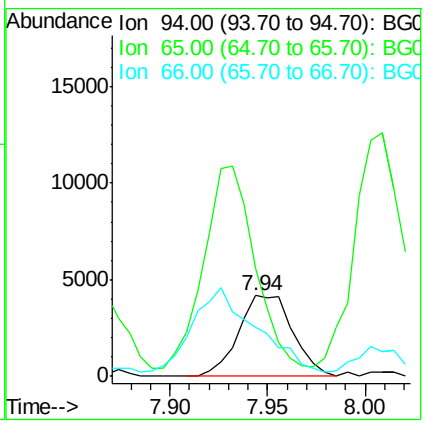


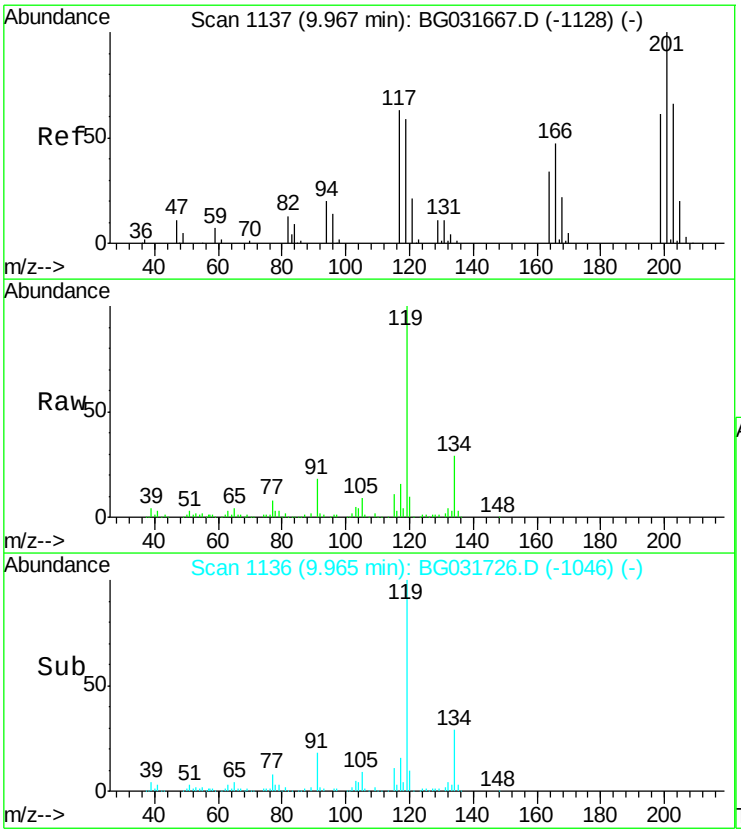

#10
Phenol
Concen: 2.161 ng
RT: 7.94 min Scan# 792
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion: 94 Resp: 8041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 133.9 | 11.9 | 51.9# |
| 66 | 60.6 | 22.2 | 62.2 |

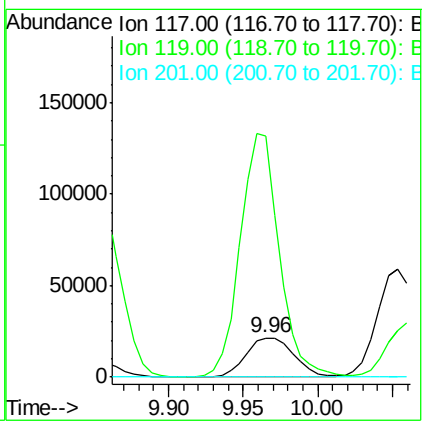


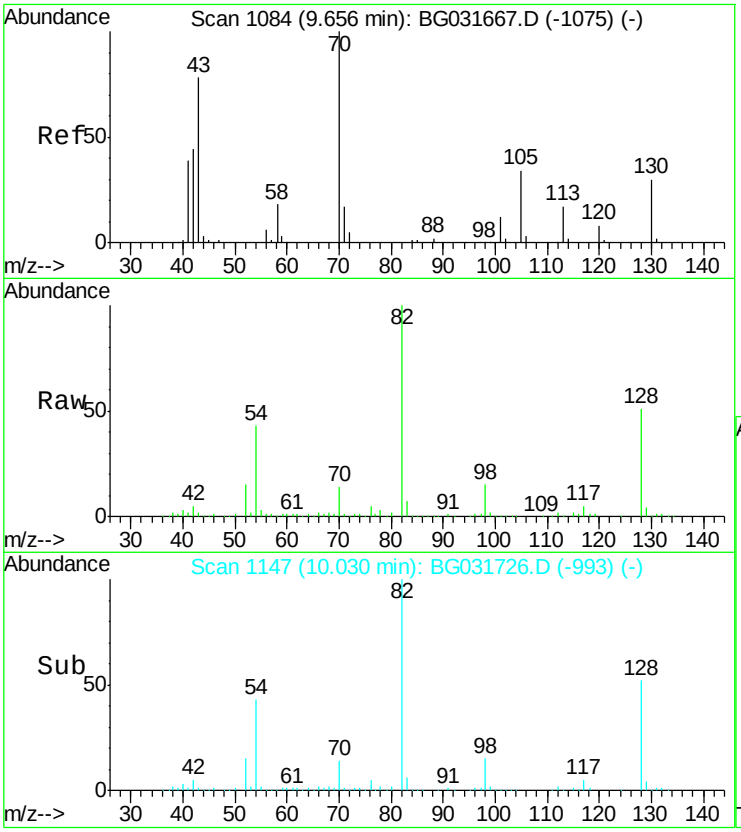




#18
Hexachloroethane
Concen: 37.755 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:117 Resp: 47760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 612.1 | 76.7 | 115.1# |
| 201 | 0.0 | 95.7 | 143.5# |



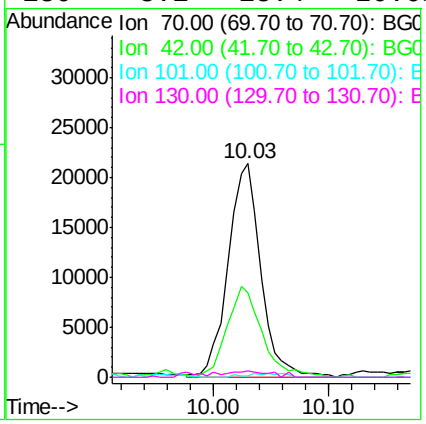


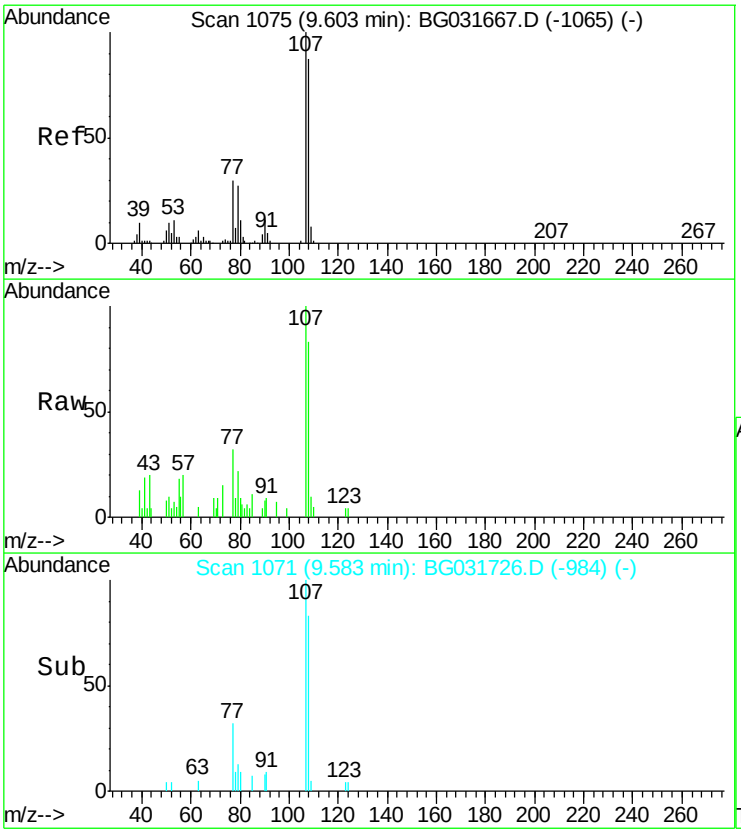

#19
n-Nitroso-di-n-propylamine
Concen: 16.703 ng
RT: 10.03 min Scan# 1147
Delta R.T. 0.37 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion: 70 Resp: 42036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 39.3 | 49.1 | 73.7# |
| 101 | 0.9 | 8.5 | 12.7# |
| 130 | 3.1 | 13.4 | 20.0# |

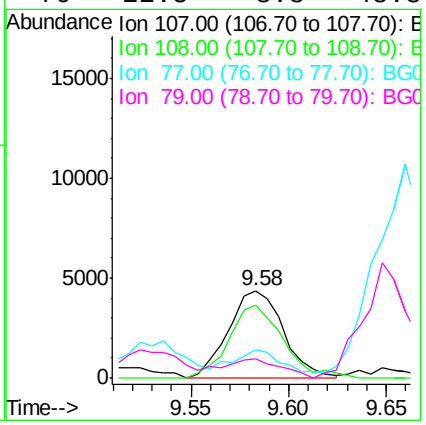


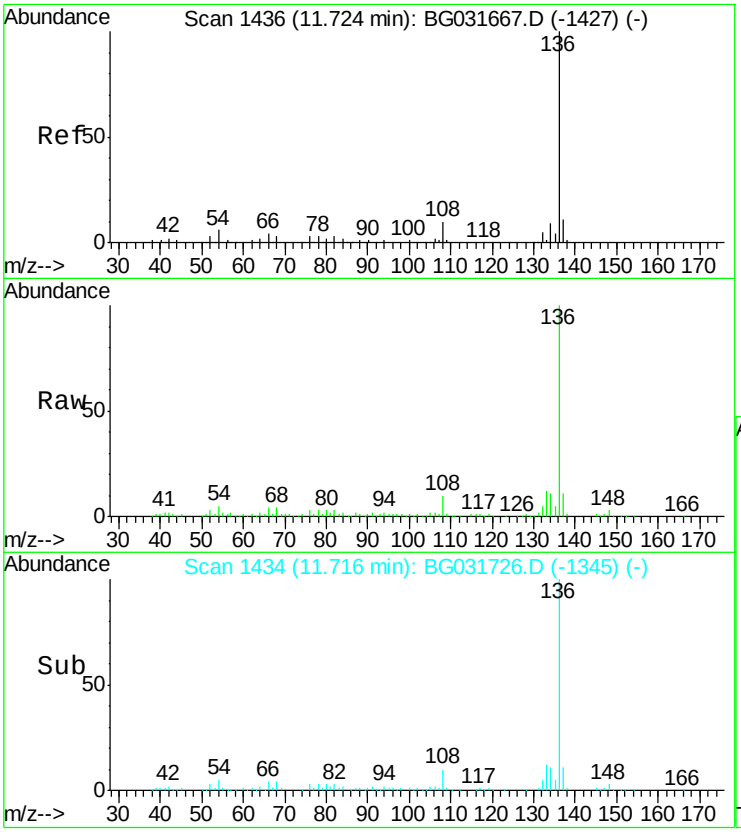




#20
3+4-Methylphenols
Concen: 2.258 ng
RT: 9.58 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:107 Resp: 8542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 83.3 | 61.6 | 101.6 |
| 77 | 31.7 | 13.9 | 53.9 |
| 79 | 22.5 | 8.8 | 48.8 |



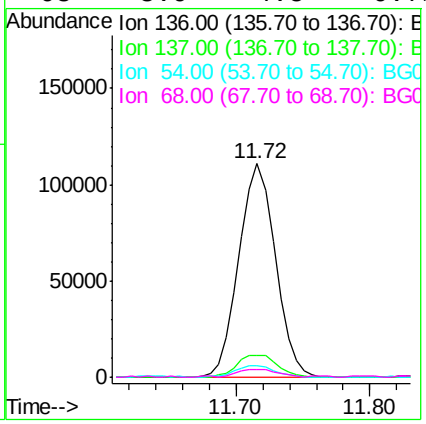


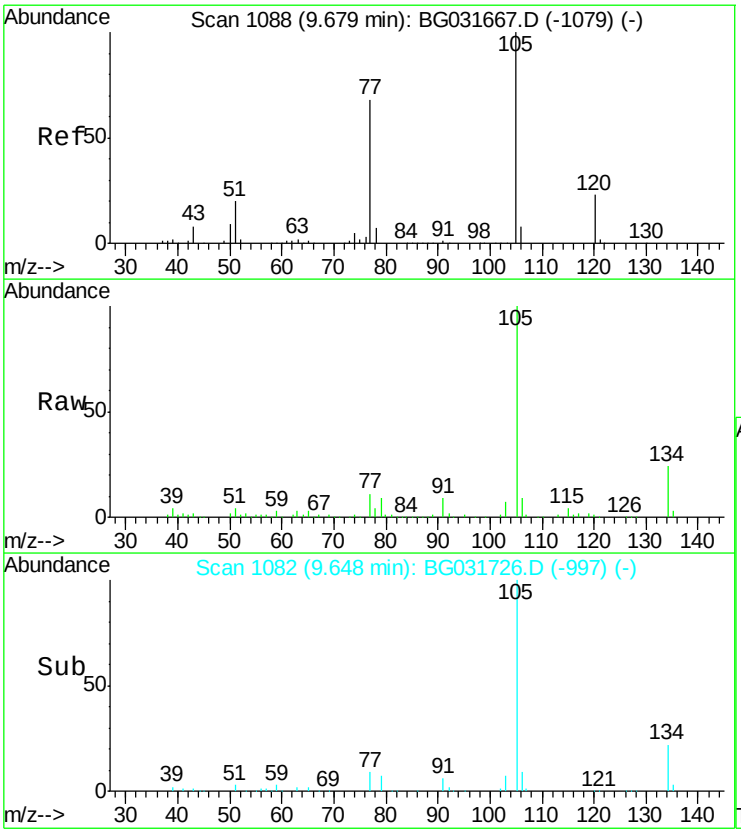

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:136 Resp: 210862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 9.2 | 13.8 |
| 54 | 5.3 | 10.3 | 15.5# |
| 68 | 3.9 | 4.5 | 6.7# |

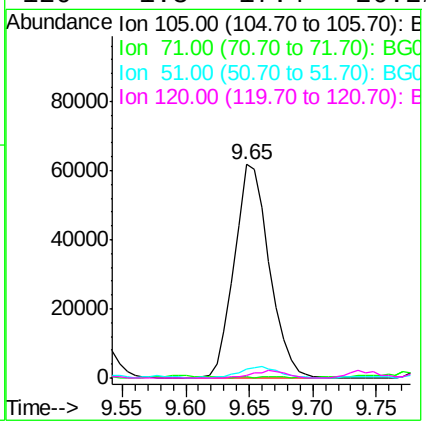


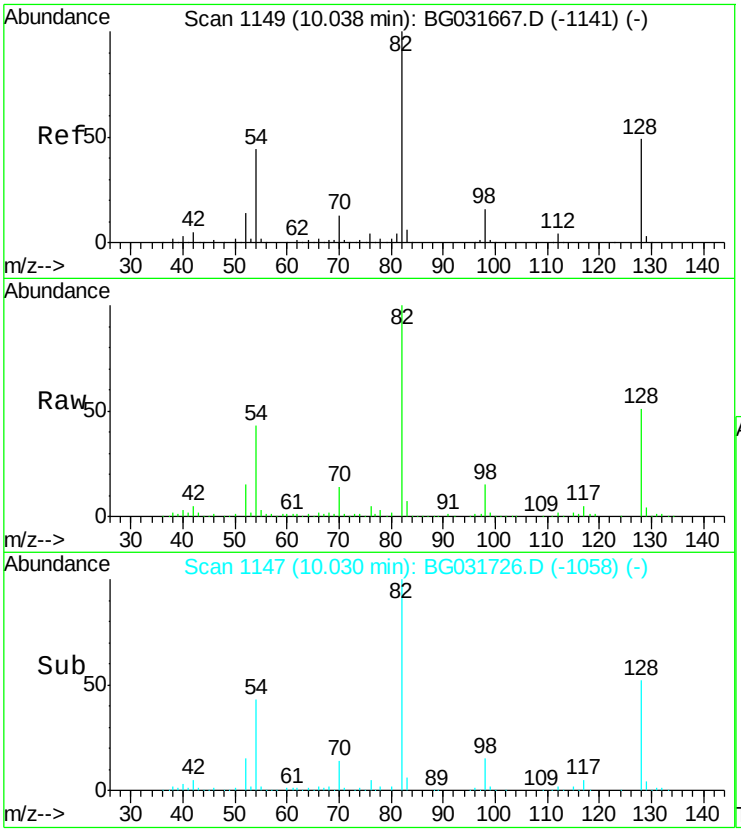




#22
Acetophenone
Concen: 24.163 ng
RT: 9.65 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:105 Resp: 118374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 0.4 | 3.0 | 4.4# |
| 51 | 3.9 | 26.1 | 39.1# |
| 120 | 1.3 | 17.4 | 26.2# |



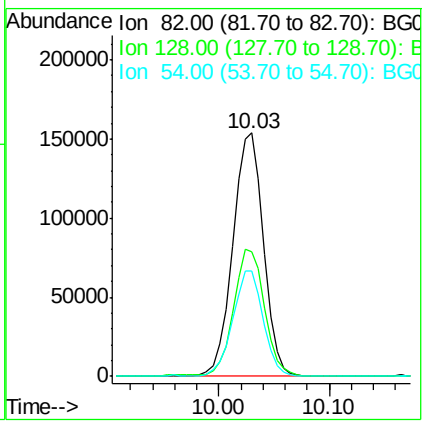


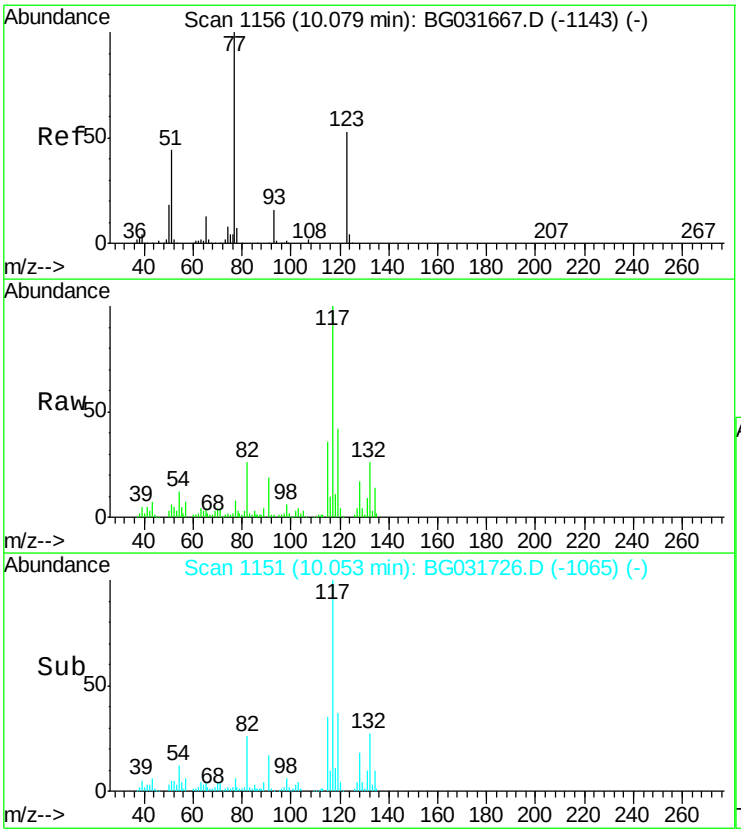

#23
Nitrobenzene-d5
Concen: 107.140 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion: 82 Resp: 299180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.4 | 29.7 | 44.5# |
| 54 | 43.2 | 43.1 | 64.7 |

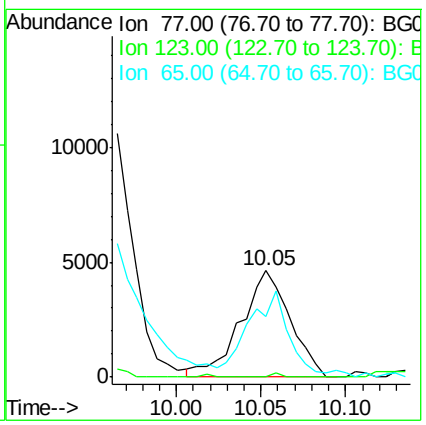


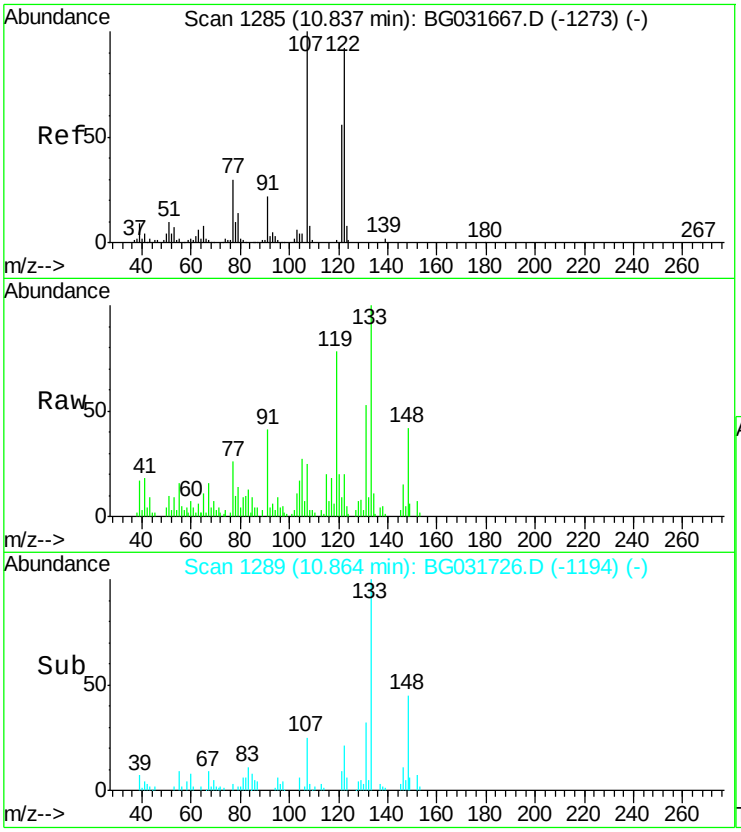




#24
Nitrobenzene
Concen: 3.267 ng
RT: 10.05 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion: 77 Resp: 9402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 33.0 | 49.6# |
| 65 | 57.4 | 13.0 | 19.6# |



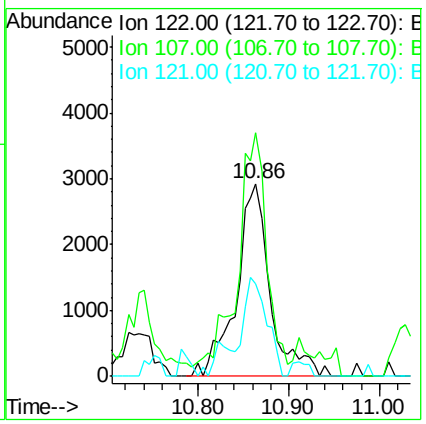


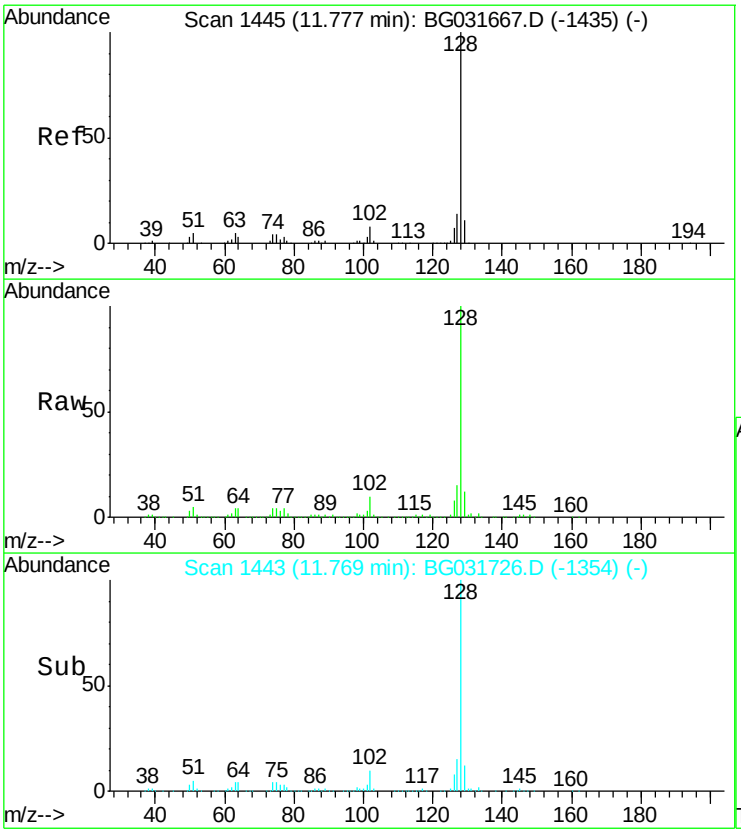

#27
2,4-Dimethylphenol
Concen: 2.373 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.03 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:122 Resp: 7536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 126.3 | 100.2 | 150.2 |
| 121 | 48.2 | 44.4 | 66.6 |

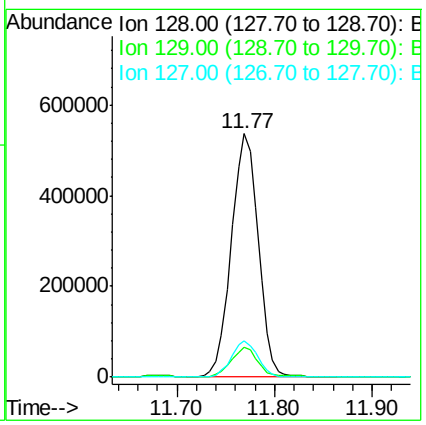


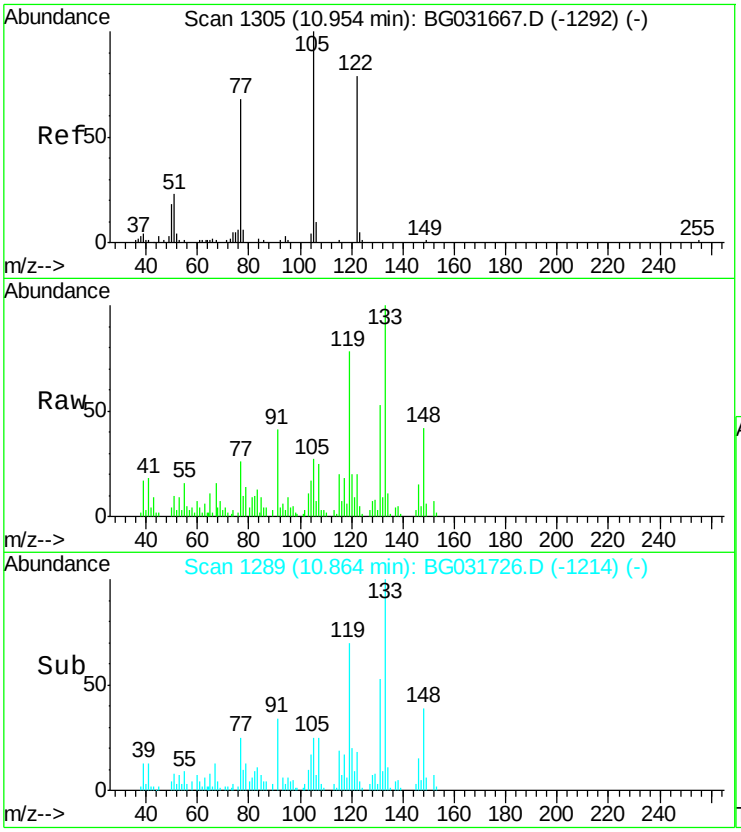




#31
Naphthalene
Concen: 96.836 ng
RT: 11.77 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:128 Resp: 1030501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.0 | 8.6 | 12.8 |
| 127 | 15.0 | 11.6 | 17.4 |



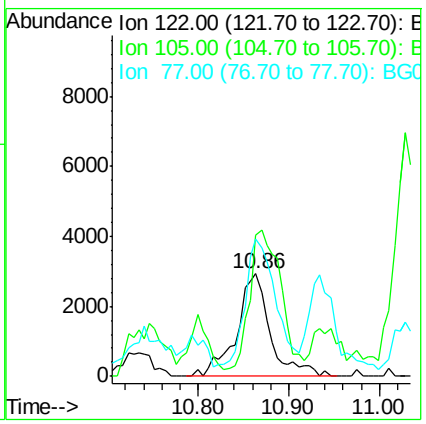


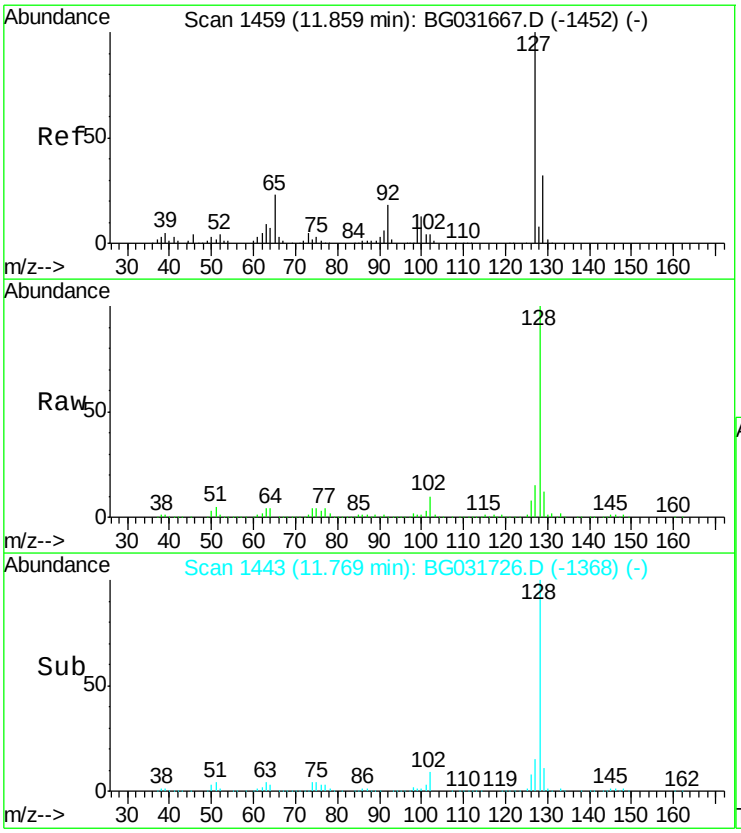

#32
Benzoic acid
Concen: 9.690 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.09 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:122 Resp: 7536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 138.5 | 123.5 | 163.5 |
| 77 | 134.3 | 85.7 | 125.7# |

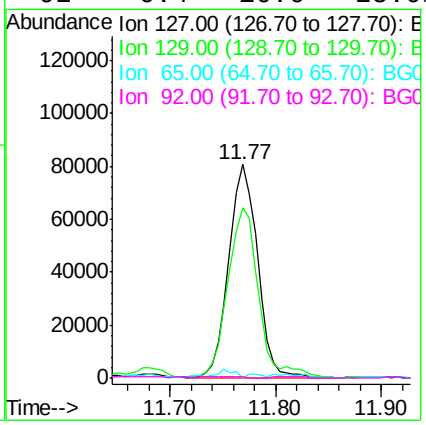


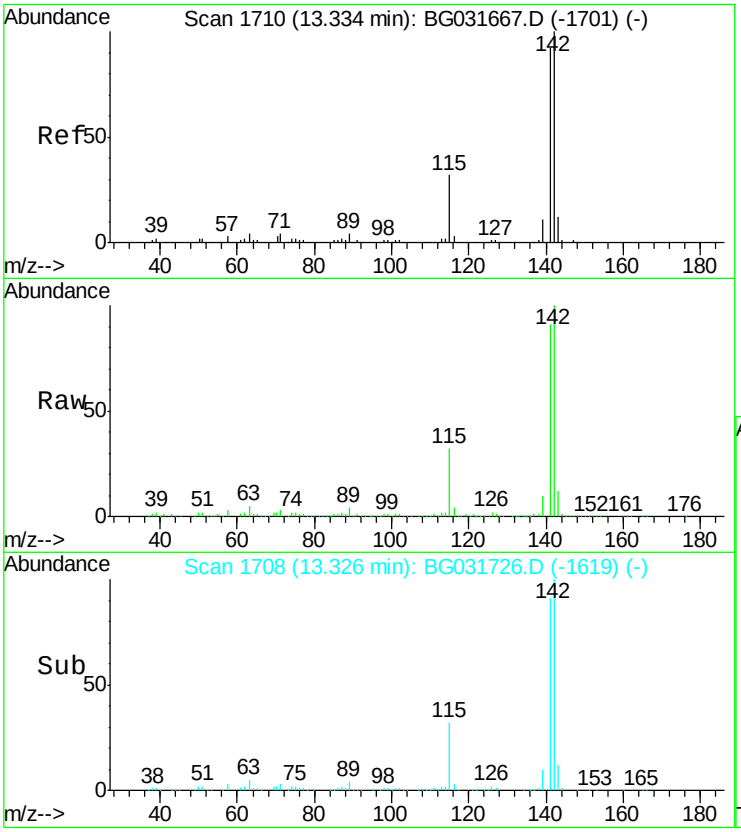




#33
4-Chloroaniline
Concen: 32.249 ng
RT: 11.77 min Scan# 1443
Delta R.T. -0.09 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:127 Resp: 152789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 79.9 | 24.0 | 36.0# |
| 65 | 0.0 | 27.0 | 40.4# |
| 92 | 0.4 | 16.6 | 25.0# |



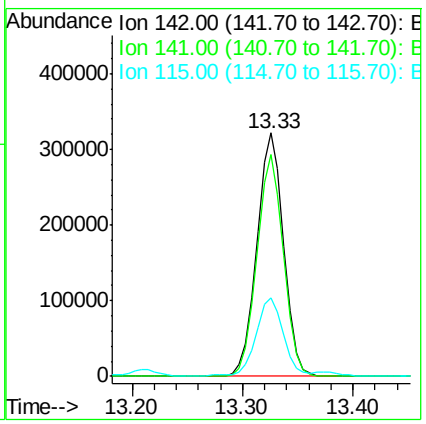


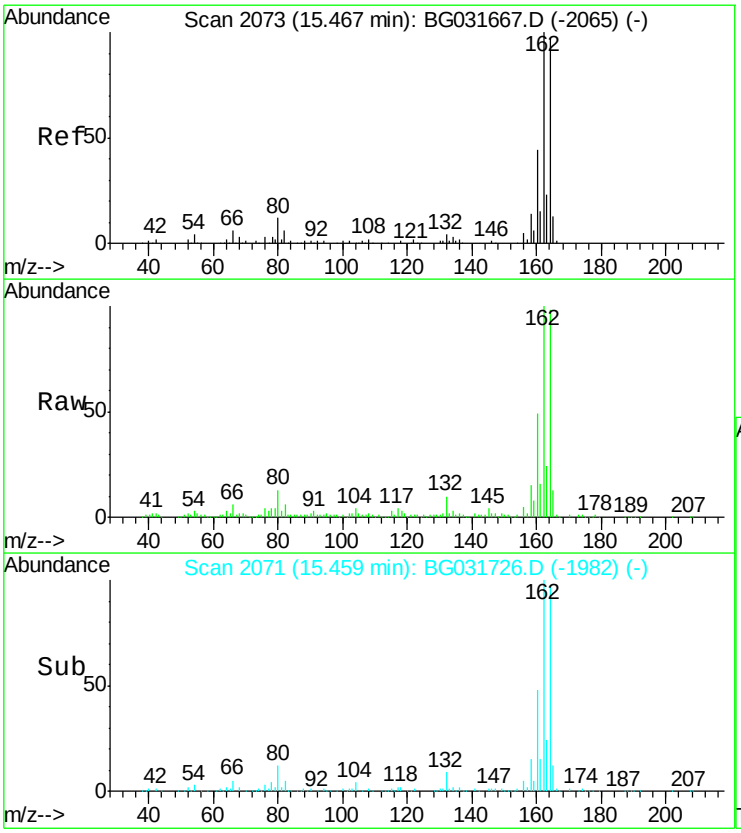

#37
2-Methylnaphthalene
Concen: 62.973 ng
RT: 13.33 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:142 Resp: 543261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 67.1 | 100.7 |
| 115 | 32.2 | 30.7 | 46.1 |

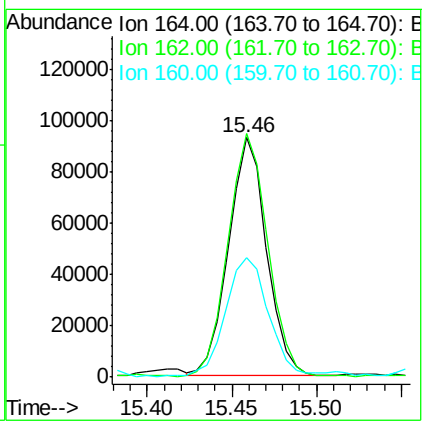


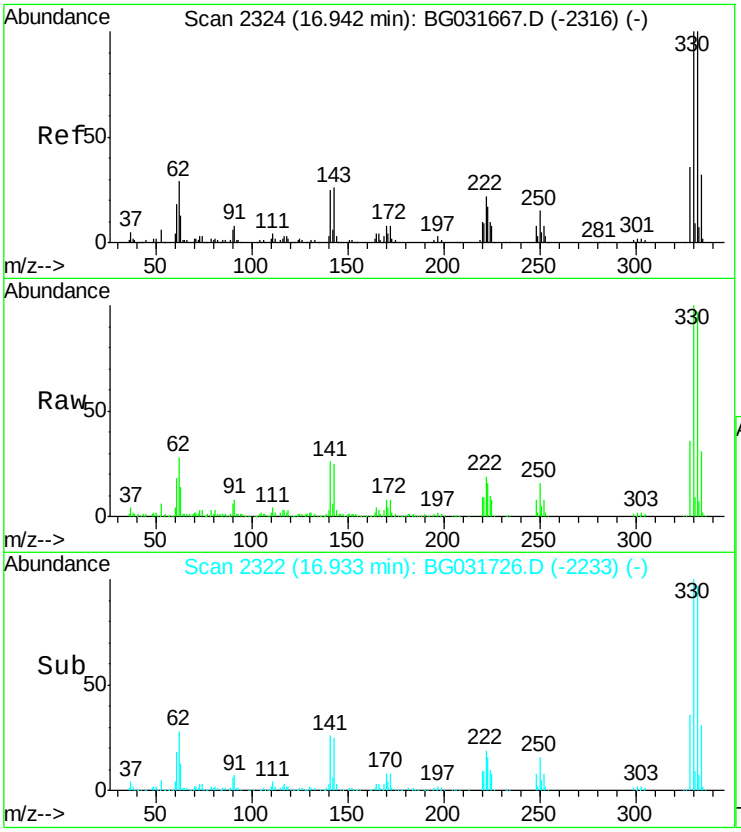




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:164 Resp: 144607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 78.8 | 118.2 |
| 160 | 49.8 | 35.4 | 53.0 |



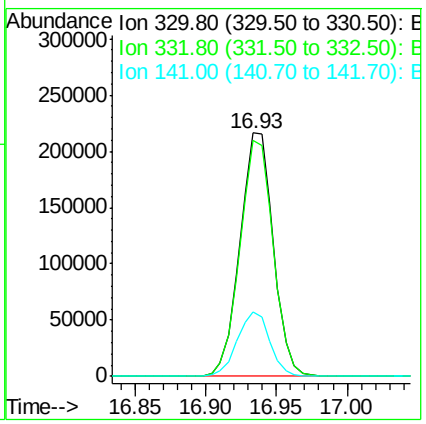


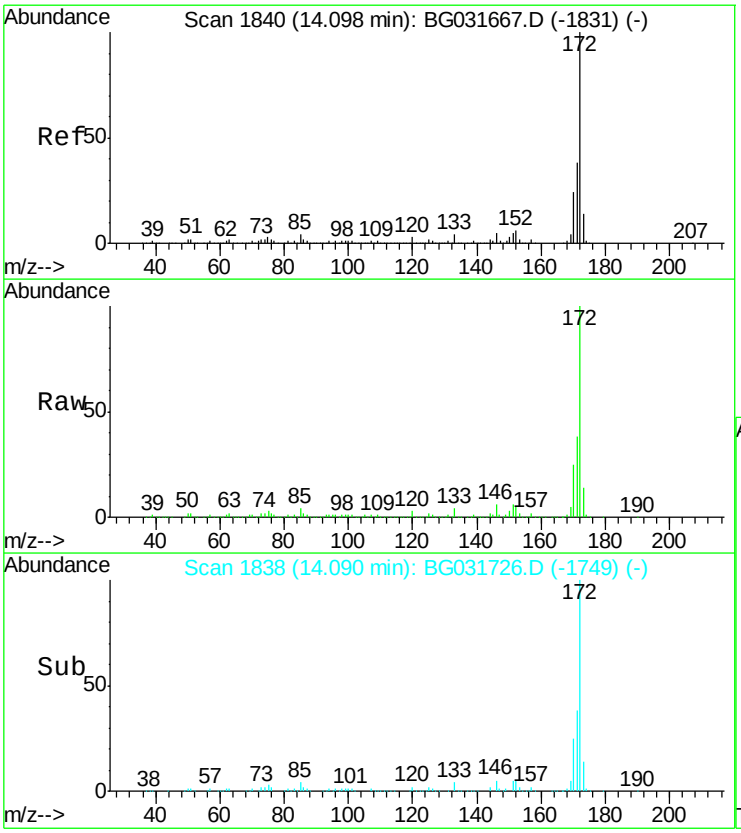

#41
2,4,6-Tribromophenol
Concen: 162.299 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:330 Resp: 358114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.0 | 115.6 |
| 141 | 25.4 | 25.2 | 37.8 |

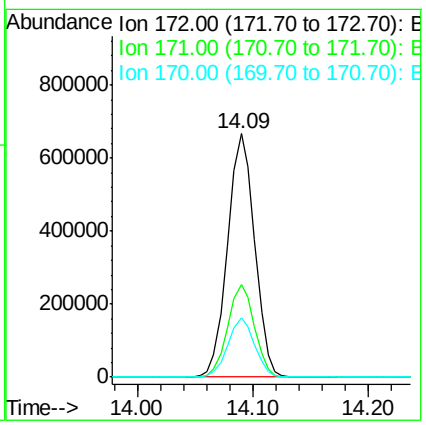


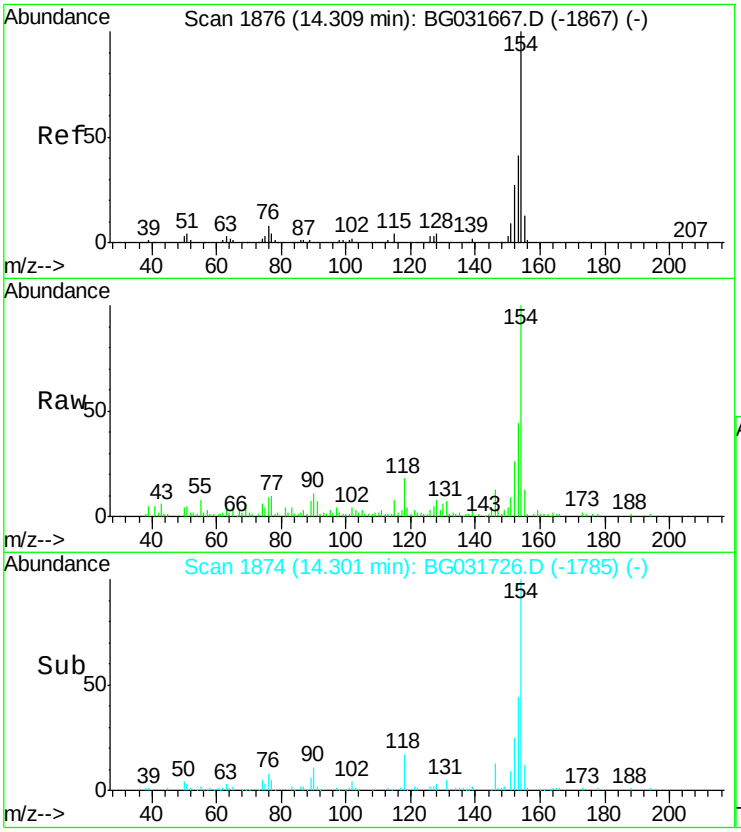




#44
2-Fluorobiphenyl
Concen: 93.463 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:172 Resp: 1076813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.2 | 30.0 | 45.0 |
| 170 | 24.5 | 19.5 | 29.3 |



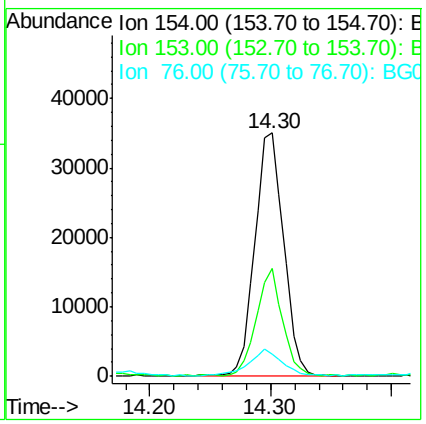


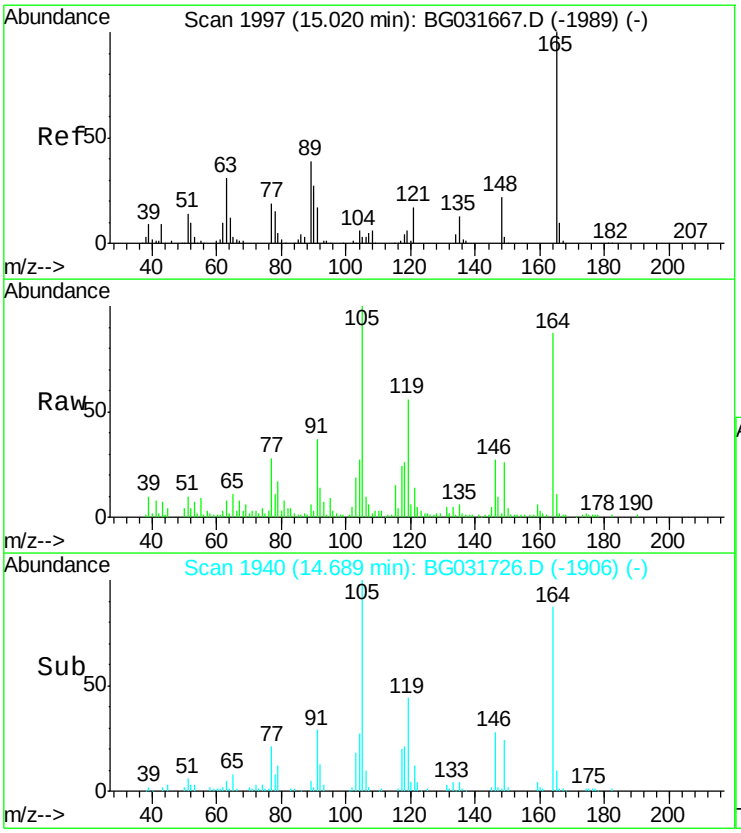

#45
1,1'-Biphenyl
Concen: 4.714 ng
RT: 14.30 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:154 Resp: 58223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 44.1 | 19.8 | 59.8 |
| 76 | 8.8 | 0.0 | 31.9 |

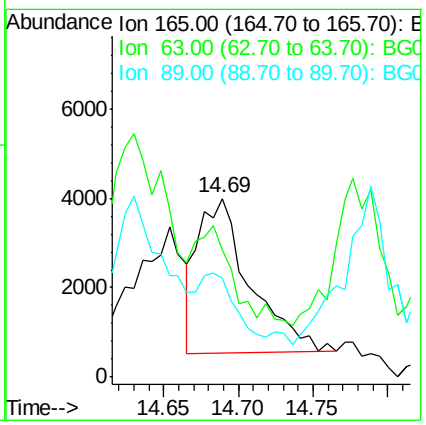


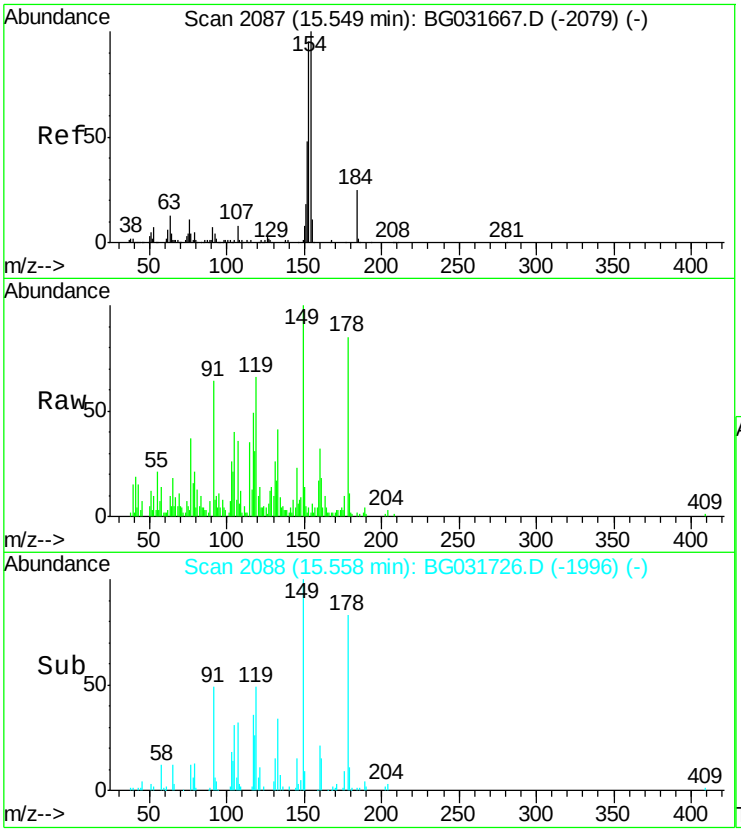




#50
2,6-Dinitrotoluene
Concen: 3.555 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.33 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:165 Resp: 8331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 71.4 | 52.7 | 79.1 |
| 89 | 55.7 | 49.2 | 73.8 |



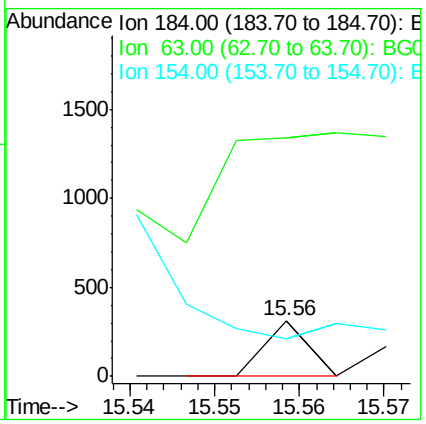


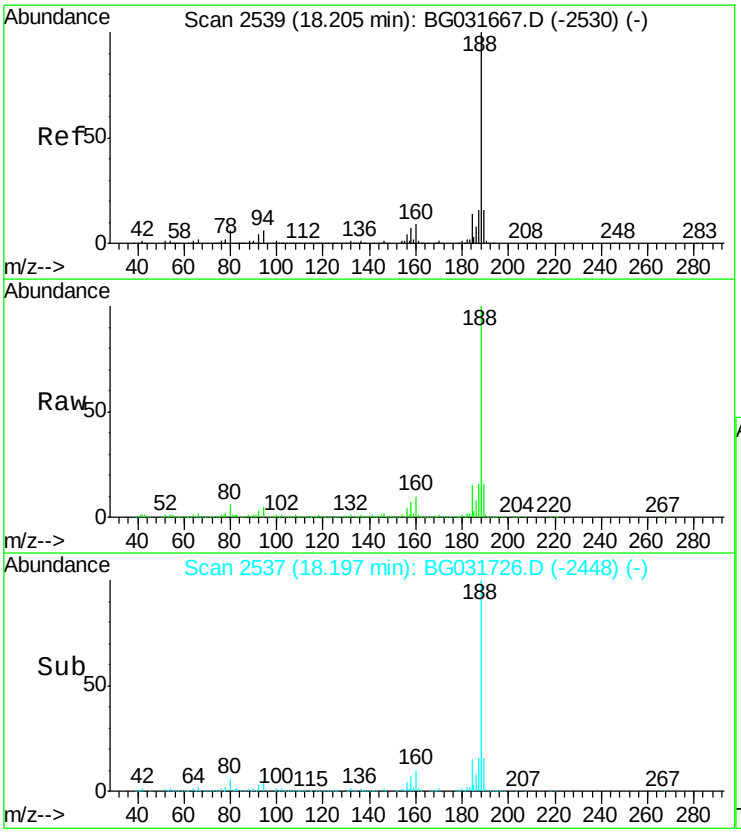

#53
2,4-Dinitrophenol
Concen: 7.733 ng
RT: 15.56 min Scan# 2088
Delta R.T. 0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:184 Resp: 110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 428.8 | 59.8 | 89.8# |
| 154 | 67.0 | 101.8 | 152.8# |

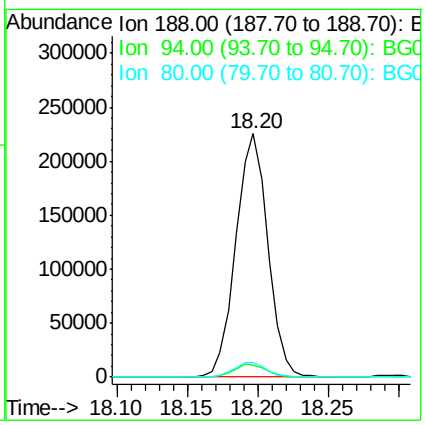


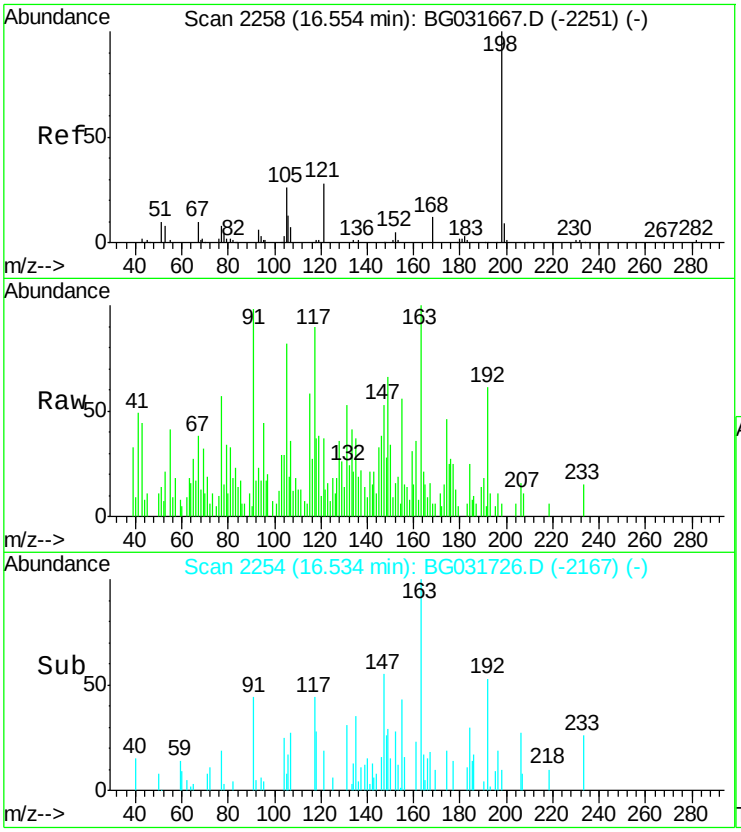




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:188 Resp: 357504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.8 | 6.9 | 10.3# |
| 80 | 6.0 | 7.7 | 11.5# |



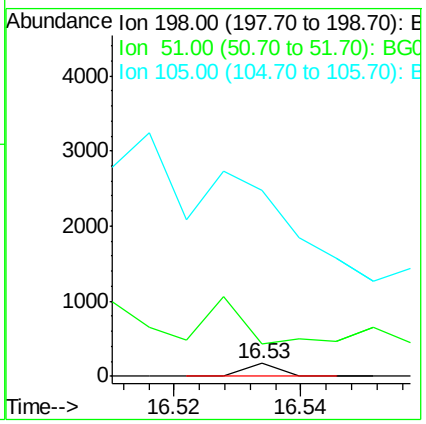


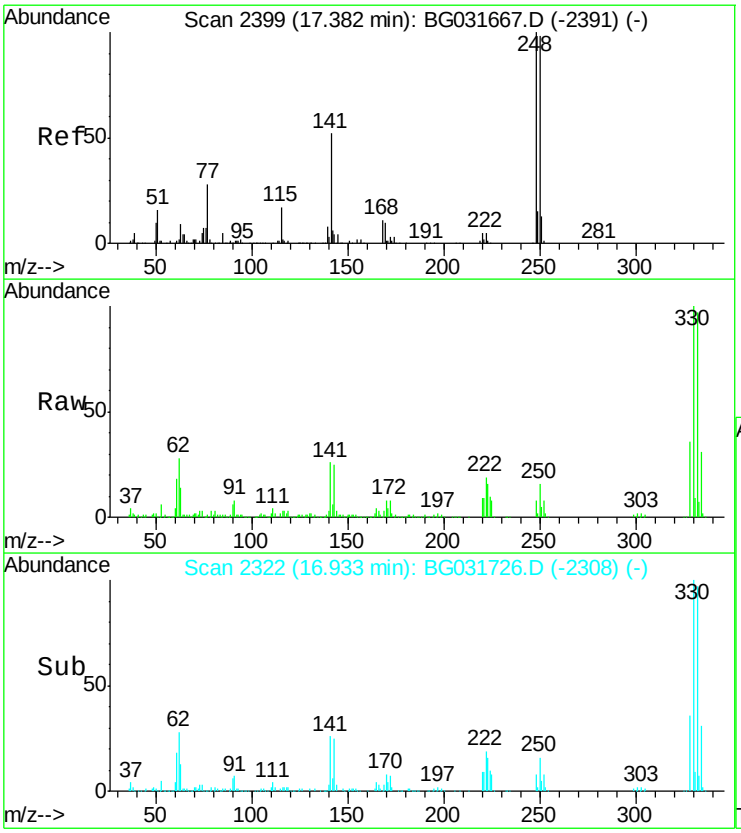

#64
4,6-Dinitro-2-methylphenol
Concen: 8.334 ng
RT: 16.53 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:198 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 250.0 | 30.6 | 70.6# |
| 105 | 1453.5 | 23.8 | 63.8# |

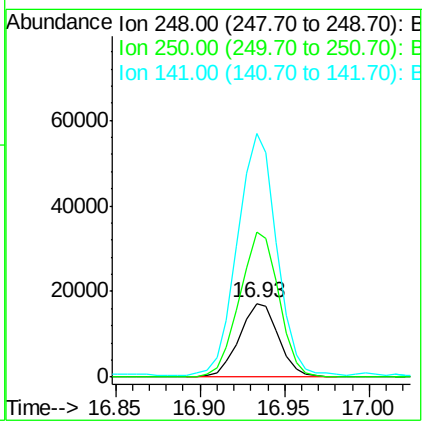


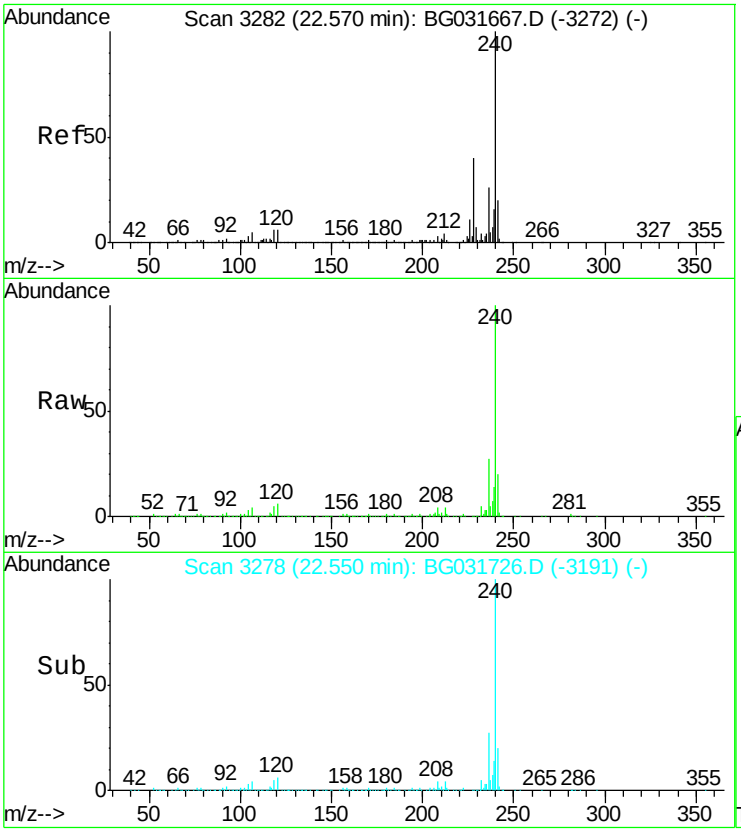




#66
4-Bromophenyl-phenylether
Concen: 5.353 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:248 Resp: 27672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 196.0 | 77.1 | 115.7# |
| 141 | 330.0 | 50.8 | 76.2# |



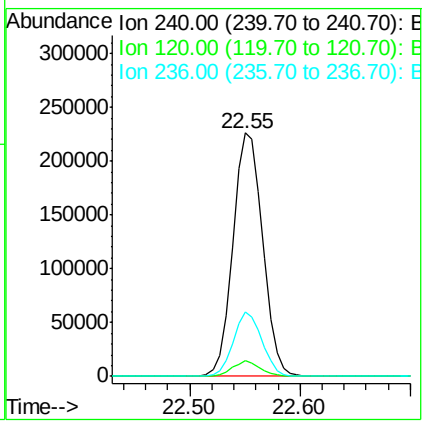


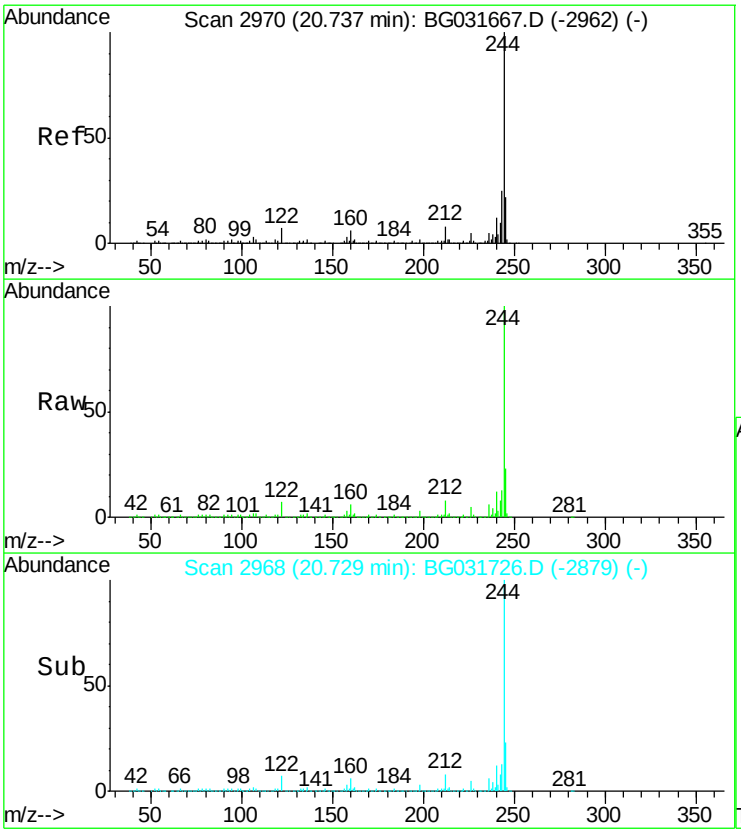

#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3278
Delta R.T. -0.02 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:240 Resp: 427964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.5 | 6.8 | 10.2# |
| 236 | 26.6 | 20.9 | 31.3 |

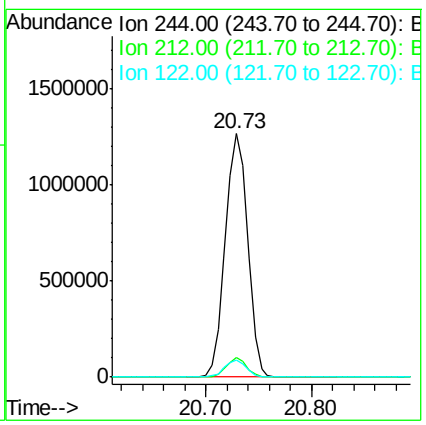


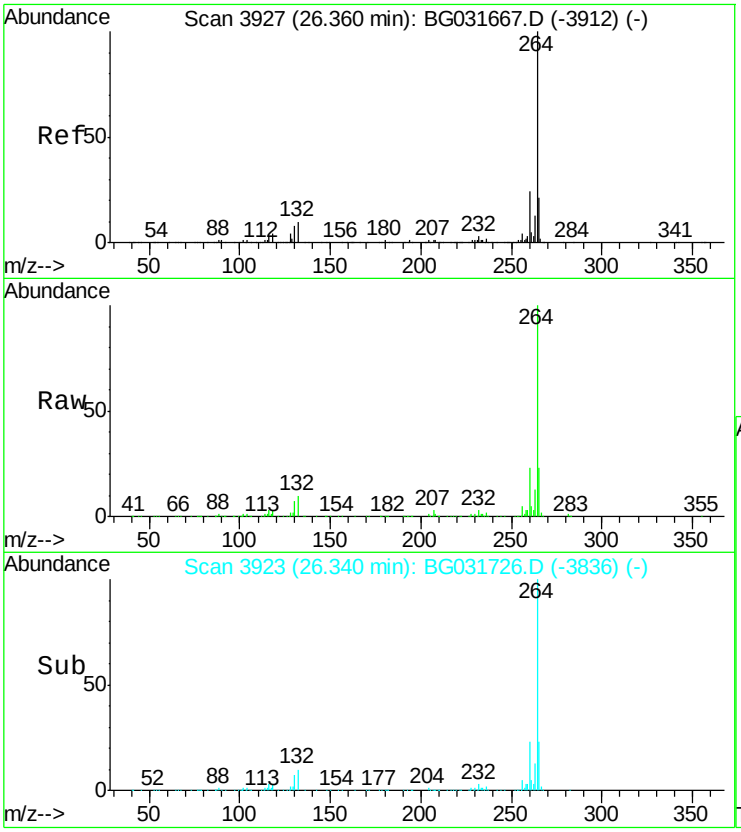




#78
Terphenyl-d14
Concen: 98.744 ng
RT: 20.73 min Scan# 2968
Delta R.T. -0.01 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

Tgt Ion:244 Resp: 1849685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 5.8 | 8.8 |
| 122 | 7.2 | 7.0 | 10.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 26.34 min Scan# 3923
Delta R.T. -0.02 min
Lab File: BG031726.D
Acq: 23 Dec 2017 00:25

**Instrument :**
BNA_G
**ClientSampleId :**
PR-MW-1-121817

Tgt Ion:264 Resp: 463177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 17.4 | 26.0 |
| 265 | 22.7 | 17.7 | 26.5 |